

Lowell Regional Wastewater Utility
Wet Weather Operational Data
 First Quarter 2008

Date	Plant Effluent		Precipitation				Secondary Bypass			Barasford Street			Beaver Brook			Merrimack St			Read Street			Tilden Street			Walker Street			Warren Street			West Street			All Diversions		
	Volume (MG)	Instant Max. (MGD)	Precip Days (No.)	Daily Total (Inches)	Ave. Intensity (Inches per Hr.)	Peak Hr (Inches)	Duration (Hours)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)		
January 1, 2008	31.0	21.9	1	0.27	0.050	0.09	5.0																													
January 2, 2008	29.9	34.0	1	0.01	0.010	0.01	1.0																													
January 8, 2008	28.5	48.0						1	0.4	0.50						1	2.25	0.08													1	2.25	0.08			
January 11, 2008	58.8	95.4	1	1.03	0.180	0.19	13.0	1	12.3	5.52																						1	20.50	16.04		
January 14, 2008	38.7	45.7	1	0.43	0.050	0.03	16.0																													
January 18, 2008	46.0	80.2	1	0.50	0.050	0.10	11.0	1	4.7	2.78																										
January 27, 2008	31.0	42.1	1	0.10	0.020	0.03	6.0																													
January 30, 2008	32.9	48.3	1	0.09	0.020	0.04	5.0																													
February 1, 2008	43.1	97.7	1	1.18	0.110	0.25	11.0																													
February 2, 2008	47.7	83.7	1	0.01	0.010	0.01	1.0																													
February 5, 2008	47.3	98.9	1	0.70	0.090	0.20	8.0																													
February 6, 2008	57.4	95.3	1	1.26	0.080	0.21	15.0																													
February 7, 2008	60.2	91.7	1	0.61	0.070	0.20	9.0																													
February 8, 2008	47.3	51.4	1	0.11	0.010	0.01	10.0																													
February 9, 2008	45.5	53.9	1	0.20	0.030	0.07	8.0																													
February 10, 2008	45.7	56.7	1	0.01	0.010	0.01	1.0																													
February 12, 2008	38.3	45.5	1	0.22	0.070	0.11	3.0																													
February 13, 2008	61.5	92.0	1	2.06	0.100	0.28	20.0	1	13.0	12.18	1	8.60	3.45	1	2.70	0.82	1	1.45	1.54																	
February 14, 2008	63.1	85.5	1	0.01	0.010	0.01	1.0	1	20.0	8.64	1	3.52	0.11																							
February 15, 2008	51.3	67.9						1	5.4	1.87																										
February 17, 2008	44.3	51.2	1	0.07	0.020	0.04	4.0																													
February 18, 2008	69.4	91.8	1	0.64	0.050	0.17	12.0	1	21.4	16.47	1	2.72	1.66	1	2.03	0.03																				
February 19, 2008	57.8	69.4						1	13.6	3.18																										
February 22, 2008	45.0	51.5	1	1.14	0.080	0.70	15.0																													
February 26, 2008	43.9	95.5	1	0.75	0.080	0.22	9.0	1	3.6	2.51	1	1.90	0.41																							
February 27, 2008	51.8	82.5	1	0.12	0.020	0.02	8.0	1	0.50	0.41																										
February 28, 2008	40.4	45.1	1	0.02	0.020	0.02	1.0																													
February 29, 2008	37.9	42.3	1	0.01	0.010	0.01	1.0																													
March 4, 2008	55.1	95.0	1	0.70	0.080	0.16	9.0	1	7.1	7.20	1	3.90	0.48	1	0.41	0.02	1	1.60	1.76																	
March 5, 2008	72.1	100.1	1	0.69	0.080	0.28	9.0	1	7.8	12.65	1	5.70	0.69	1	2.40	0.02	1	2.40	2.58																	
March 7, 2008	51.3	84.6	1	0.31	0.040	0.15	7.0	1	0.8	1.00																										
March 8, 2008	80.4	100.6	1	1.58	0.130	0.32	12.0	1	24.0	23.87	1	3.10	2.79	1	1.50	0.68	1	8.06	5.08																	
March 9, 2008	70.4	90.5						1	24.0	17.66																										
March 12, 2008	54.8	62.01	1	0.18	0.030	0.05	6.0																													
March 14, 2008	46.5	50.5	1	0.05	0.010	0.02	4.0																													
March 15, 2008	52.0	70.9	1	0.20	0.030	0.08	8.0	1	6.4	2.56																										
March 19, 2008	49.1	68.0	1	0.53	0.030	0.06	16.0	1	5.2	2.92	1	1.50	0.01																							
March 20, 2008	56.4	72.8	1	0.34	0.050	0.11	7.0	1	9.8	4.65	1	3.61	0.15																							
March 26, 2008	37.1	75.5						1	0.5	0.72																										
March 28, 2008	52.1	83.2	1	0.83	0.070	0.14	12.0	1	6.0	1.81																										
March 29, 2008	41.9	54.9	1	0.01	0.010	0.01	1.0	1	0.3	0.05																										
March 31, 2008	41.5	51.0	1	0.18	0.020	0.04	9.0																													
Date	Plant Effluent		Precipitation				Secondary Bypass			Barasford Street			Beaver Brook			Merrimack Street			Read Street			Tilden Street			Walker Street			Warren Street			West Street			All Diversions		
No. Days	Volume (MG)	Instant Max. (MGD)	Precip Days (No.)	Daily total (Inches)	Ave. Intensity (Inches per Hr.)	Peak Hr (Inches)	Duration (Hours)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	No. / Percent	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)		
Total	0	-	37	17.15	-	-	294.00	20	186.19	128.74	11	35.80	10.21	4	6.64	1.55	7	17.17	12.20	0																
Average / Percent	48.95	69.81	41.1%	0.46	0.05	0.12	7.95	54.1%	9.31	6.44	29.7%	3.25	0.93	10.8%	1.66	0.39	18.9%	2.45	1.74																	

Notes:
 * Percentage of Precipitation Days = Number of Precipitation Days / Number of Days in Quarter
 * Percentage of Events (Bypass / Diversion) = Number of Events / Number of Precipitation Days